

## REMARKS

Claims 1-9 are pending in the application. Claims 1 - 3 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Resch (U.S. Patent No. 4,564,858) in view of Jones (U.S. Patent 5,051,711). Claims 4 - 9 were allowed.

### **Rejections under 35 U.S.C. § 103(a)**

The pending claim 1 is directed to a television signal transmitter that comprises a local oscillator, a mixer, and a variable band-pass filter connected at a post stage of the mixer and tuned to a frequency of the specific channel.

The pending claim 1 has been amended, and now recites "when a transmission state of the television signal is changed, the tuning frequency of the variable band-pass filter is shifted to a frequency out of the frequency band of the specific channel." This amendment renders claim 1 distinguishable from both references, Resch and Jones.

The Examiner has stated that Resch explicitly does disclose the claimed variable band-pass filter, wherein a tuning frequency of the variable band-pass filter can be shifted to a frequency out of a frequency band of the specific channel. Thus, Resch would not also disclose the newly added feature of claim 1.

In regard to the Jones reference, Applicants submit that Jones discloses a single set of quartz crystals in a ladder configuration, fixed conductors, and varactor diodes which may achieve a filter with bandwidth continuously variable over a range that is normally covered by switch-selecting several fixed bandwidth filters (see Figures 1 – 3, column 2 lines 11 – 35 and column 3, line 30 to column 4, line 19). However, Jones is silent on the feature that when a transmission state of a television signal is changed, the tuning frequency of the variable band-pass filter is shifted to a frequency out of the frequency band of the specific channel.

Thus, the newly added feature of claim 1 is not suggested or taught by either one of the Resch and Jones references. Further, Applicant respectfully submits that the combination of the cited references fails to teach all limitations of newly amended claim 1.

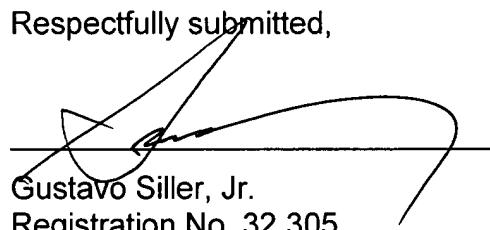
For the foregoing reasons, claim 1 is patentable over Resch and Jones, individually or in combination. Claims 2 and 3 are dependent on claim 1, and are likewise allowable. Therefore, Applicant respectfully requests the Examiner to withdraw the rejections to claims 1-3.

## CONCLUSION

Applicant gratefully acknowledges that the Examiner has allowed claims 4 - 9. Further, in view of the arguments above, pending claims 1 - 9 are now patentable. Applicant respectfully requests the Examiner to grant early allowance of this application. If, there are additional fees due, Applicant requests that this paper constitutes any necessary petition and authorizes the Commissioner to charge any underpayment, or credit any overpayment, to Deposit Account No. 23-1925.

If for any reason, the Examiner is unable to allow the application in the next Office Action and believes that an interview would be helpful to resolve any remaining issues, he is respectfully requested to contact the undersigned attorneys at (312) 321-4200.

Respectfully submitted,



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